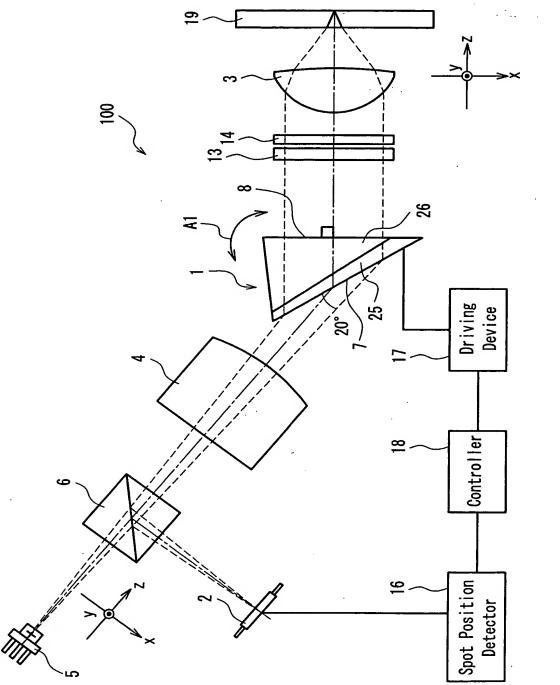
Inventor: NAGASHIMA et al. Docket No.: 10873.1245US01 Title: OPTICAL HEAD Attorney Name: Douglas P. Mueller Phone No.: 612.371.5237 Sheet 1 of 14



F16 1

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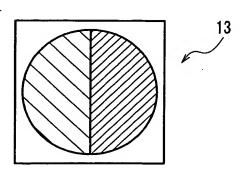


FIG. 2

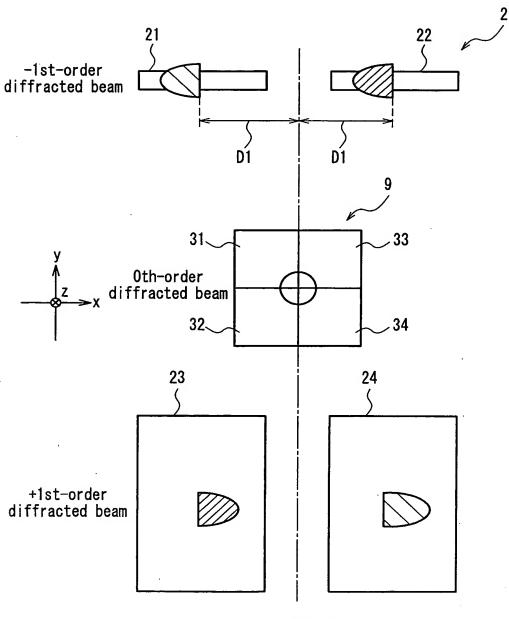


FIG. 3

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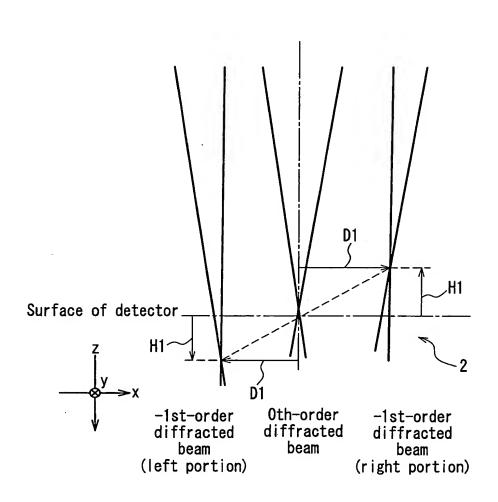
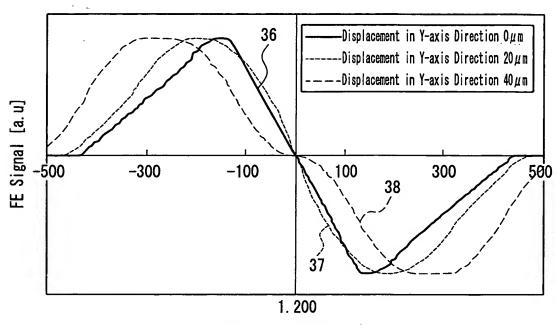
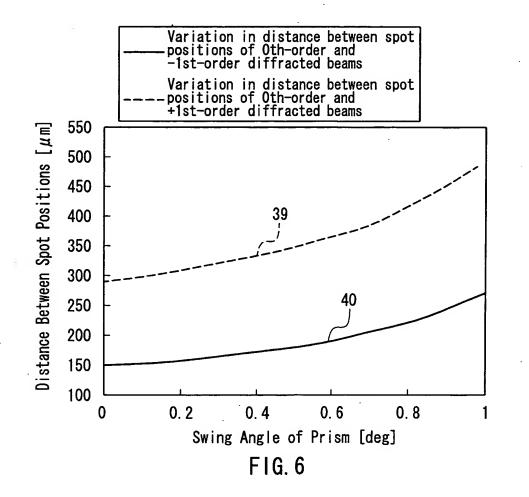


FIG. 4

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Amount of Defocus [a.u] FIG. 5



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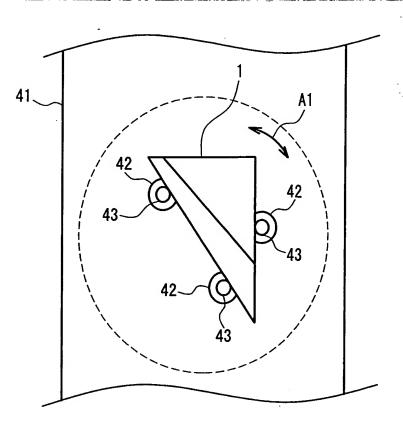


FIG. 7

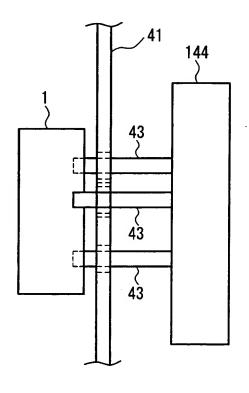
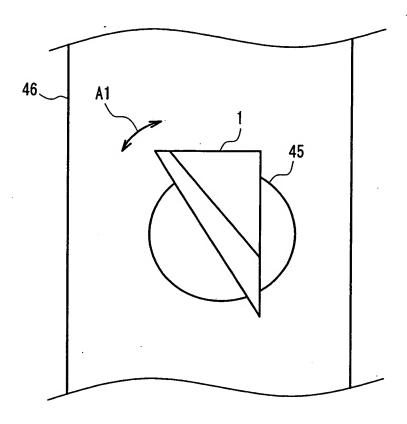


FIG. 8

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F1G. 9

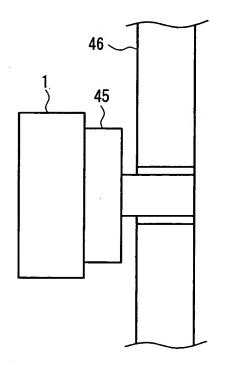


FIG. 10

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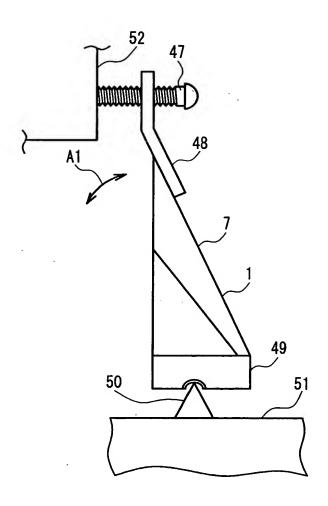


FIG. 11

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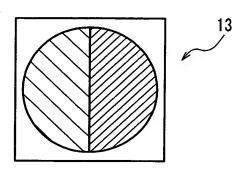


FIG. 13

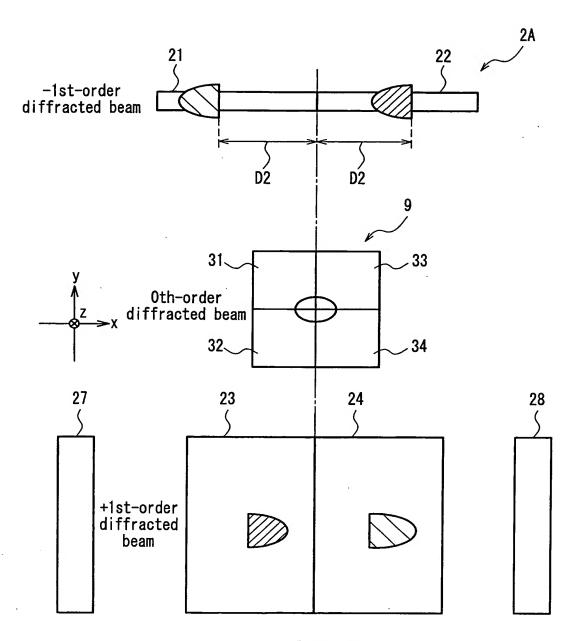


FIG. 14

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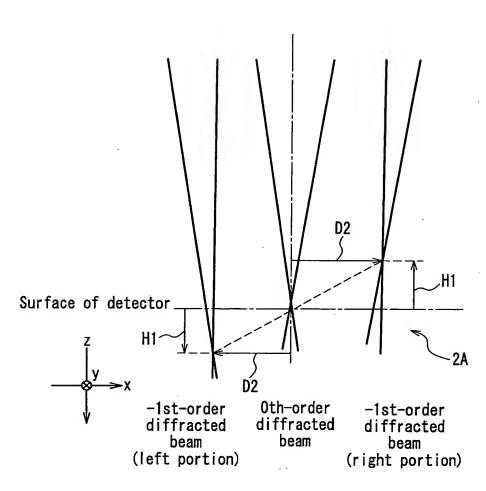
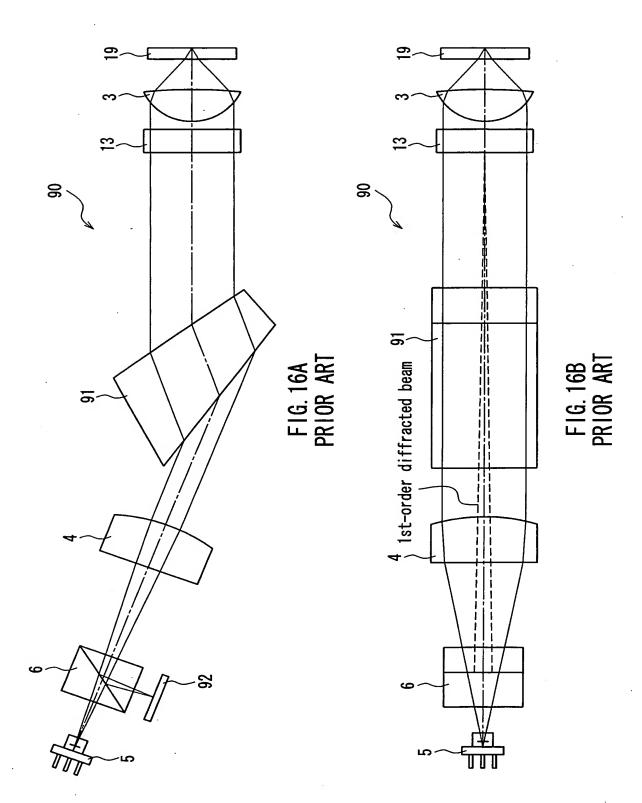


FIG. 15

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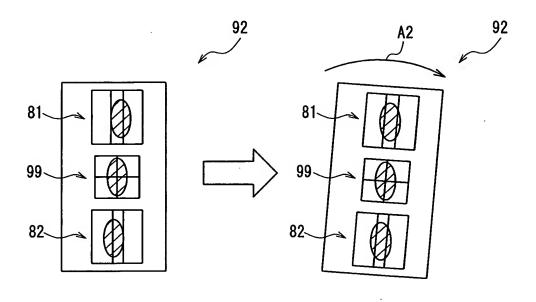
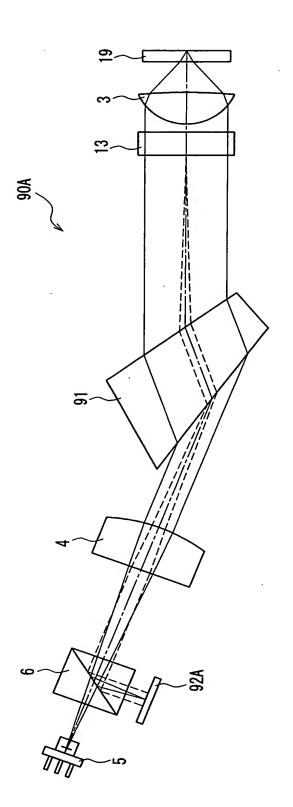


FIG. 17 PRIOR ART

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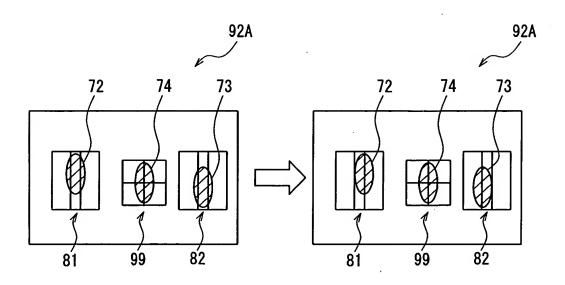


FIG. 19 PRIOR ART